Ser. No. 10/517,802

## Amendments to the Specification

Using the paragraph numbers of the present pregrant publication US-2005-0241355 A1, please amend the specification as follows:

[0024] at least one light emitting means arranged to emit light, the axis of the emitted light being generally perpendicular to the path of movement of the part such that aligned to illuminate a region including at least a portion of said path is illuminated of movement;

[0011] a processing and control means arranged to receive image information from the light receiving means and thereby recognise the presence of one or more shadowed regions within the vertical and horizontal extents of said illuminated region on the light receiving means cast by obstructions in the region;

[0012] wherein the illumination of the region is such that the processing and control means has sufficient image information to determine the boundaries of the or each shadowed region and control movement of the part dependent on said image information.

[0024] Figure 1a shows an arrangement in which a laser diode 22 is used to create a large area parallel light beam 24. In the arrangement shown in Figure 1a, the laser diode 22 is used to illuminate a spherical ball 25. The spherical ball 25 concentrates the laser beam onto a point 26. The point source of light may be further refined by passing it through a pin hole (not shown), Past the point 26, the laser light beam is corrected by the use of a transmitting end concave lens 30 and a first transmitting end convex lens 32 so as to correct for spherical aberration such that columnated light is directed through the region. The light beam is then formed into the parallel beam 24 by a second transmitting end convex lens 34. It will be appreciated that while an arrangement using the spherical ball 24, transmitting end concave lens 30 and first and second transmitting end convex lenses 32 and 34 has been used to create the parallel light beam 24 in this embodiment, other arrangements would be possible to generate the parallel light beam 24.